



#7 BT 2635

6-12-03

Customer No. 22,852
Attorney Docket No. 6997-27

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Steven Martin HUDSON et al.

Serial No.: 10/032,468

Filed: January 2, 2002

For: DATA TRANSMISSION IN
PIPELINE SYSTEMS

)
)
) Group Art Unit: Not Yet Assigned
)
) Examiner: Not Yet Assigned
)

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MAY 20 2003

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Enclosed for the consideration of the Examiner in connection with the prosecution of this case is a copy of each of the 18 patent references and three literature references set forth on the attached Form PTO 1449.

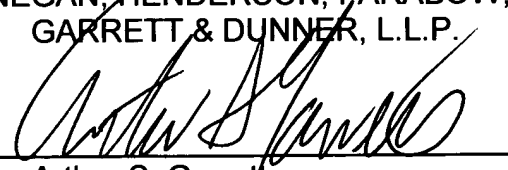
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

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GARRETT & DUNNER, L.L.P.

Dated: May 19, 2003

By:


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OMB No. 0651-0011

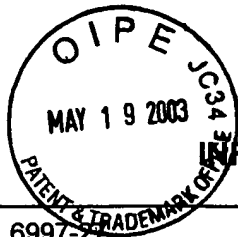
INFORMATION DISCLOSURE CITATION

Atty. Dock t No.	6997-27	Appln. No.	10/032,468
Applicant	Steven Martin HUDSON et al.		
Filing Dat	January 2, 2002	Group:	Not Yet Assigned

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropiat
	3,150,321	09/22/64	Summers	325	28	
	3,333,239	07/25/67	Silverman	340	18	
	3,831,138	08/20/74	Rammner	340	18 LD	
	4,525,715	06/25/85	Smith	340	854	
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	4,785,247	11/15/88	Meador et al.	324	338	MAY 20 2003
	5,130,706	07/14/92	Van Steenwyk	340	854.6	Technology Center 2600
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		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
		0 295 712 A2	12/21/88	EPO			Yes
		0 816 632 A1	01/7/98	EPO			No
		0 995 877 A1	04/26/00	EPO			No
		1 130 418 A1	09/05/01	EPO			No
		2.205.996	5/31/74	France			No
		WO 98/06924	02/19/98	WIPO			Yes
		WO 99/08035	02/18/99	WIPO			Yes - Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	R. Magliona et al., "Electromagnetic Transmission Improvements Applied to On/offshore Drilling in the Mediterran an Area," February 1194
	L. Soulier et al., "E.M. MWD Data Transmission Status and Perspectiv s," paper prepared for pres ntation at 1993 SPE/IADC Drilling conference held in Amsterdam February 23-25, 1993.
	"Second-generation MWD tool'< Oil and Gas Journal, February 1983.



OMB No. 0651-0011

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Examiner	Date Considered		
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce		

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